



Bureau of Air Quality



Air Toxics in South Carolina “Impacts to Area Sources”

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Air Toxics Section

Maximum Achievable Control Technology (MACT) Standards

- Section 112(d) of the CAAA of 1990
- National Emissions Standards for Hazardous Air Pollutants (NESHAP)
- Affects all major sources of HAP ($\geq 10/25$ tons/year), AND some minor (area) sources of HAP
- Currently 90 source category-specific standards
- Technology Based Standards

Area Source/Urban Air Toxics Program

- **Section 112(k) of the CAAA of 1990**
 - **Affects area sources (< 10/25 tpy HAP)**
 - **Achieve substantial reduction in emissions of HAP from area sources and equivalent reduction in public health risk**
 - **$\geq 75\%$ reduction in incidence of cancer attributable to HAP emissions from area sources**

Area Source Standards

- **Generally Available Control Technology (GACT) Standards - less stringent than MACT**
- **Performance based strategy?**
- **70 listed categories**
- **16 standards completed to date**
- **55 standards due by June 2009 (court-ordered deadline) - source category-specific**

Area Source Standards Schedule

Category	Due Date
Other Solid Waste Incinerators (OSWI)	11/2005 (completed)
Oil and Natural Gas Production	06/2005 (proposal) 12/2006 (promulgate)
Hospital Sterilizers	10/2006 (proposal) 12/2007 (promulgate)
Gasoline Distribution Stage 1	10/2006 (proposal) 12/2007 (promulgate)
Stationary Internal Combustion Engines	10/2006 (proposal) 12/2007 (promulgate)

Area Source Standards Schedule

Category	Due Date
Primary Copper Smelting	10/2006 (proposal) 12/2006 (promulgate)
Secondary Copper Smelting	10/2006 (proposal) 12/2006 (promulgate)
Primary Nonferrous Materials	10/2006 (proposal) 12/2006 (promulgate)
Polyvinyl Chloride & Copolymer Production	10/2006 (proposal) 12/2006 (promulgate)

Area Source Standards Schedule

6 Source Categories	06/15/2007
10 Source Categories	12/15/2007
10 Source Categories	06/15/2008
10 Source Categories	12/15/2008
10 Source Categories	06/15/2009

Area Sources' Role

- **Comment on proposed regulations**
 - **Control requirements**
 - **Work practices**
 - **Permit requirements**
 - **Recordkeeping/reporting**
- **Look for outreach packages**
- **Call US!!!!!!!**
- **Be prepared: time factor**
 - **compliance dates will vary**

DHEC's Role

- **Air Toxics Section, Bureau of Air Quality**
- **Implements Federal and State Air Toxics Programs (MACT, EPCRA, 112(r), Area Source, etc...)**
- **Review reports**
- **Technical assistance to industry**
- **Applicability determinations**
- **Outreach**
- **Assist in inspections**

Who to Call

- **General Air Toxics Questions**
 - **Liz Basil, Manager 803.898.4126**
- **Area Source Questions**
 - **Mary Peyton Wall 803.898.4064**